

FORM PTO-1449 (modified)
 To: U.S. Department of Commerce
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Atty. Dkt. No.: 037003-0275543

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicants: Hanna et al.

Filing Date: July 10, 2000

Date: March 6, 2007

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Examiner: C. Yaen Group Art Unit: 1643

U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR	4,976,745	11/1990	Schoemaker et al.	514	423	
	BR	4,975,369	12/1990	Beavers et al.	514	546	
	CR	4,816,567	03/1989	Cabilly et al.	548	523	
	DR	4,816,397	03/1989	Boss et al.	514	2	

FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract	Translation Readily Available
						Enclosed	No
	ER	WO 90/08198	07/1990	WIPO	Letvin	Yes	Yes
*	FR	WO 90/15152	12/1990	WIPO	Cobbold et al.	Yes	Yes
*	GR	WO 93/02108	02/1993	WIPO	Newman et al.	Yes	Yes
*	HR	EP 1266965 A2	12/2002	EPO	Newman et al.	Yes	Yes
*	IR	EP 1266965 A3	01/2003	EPO	Newman et al.	Yes	Yes
	JR	EP 0451216 B1	10/1991	EPO	Queen et al.	Yes	Yes
	KR	EP 0523949 A1	01/1993	EPO	Crowe et al.	Yes	Yes
	LR	EP 0682040 A1	11/1995	EPO	Queen et al.	Yes	Yes
*	MR	WO 88/07089	09/1988	WIPO	Winter et al.	Yes	Yes

OTHER (Including in this order Author, Title, Periodical Name, Pertinent Pages, Date, etc.)

NR	Proceedings of the National Academy of Sciences USA, Volume 88, Number 1, issued 1 January 1991, Watanabe et al., "Soluble human CD4 elicits an antibody response in rhesus monkeys that inhibit simian immunodeficiency virus replication", pages 120-124, see abstract.
OR	Surg. Cynecol. Obstet., Volume 166, Number 1, Delmonico et al., "Monoclonal antibody treatment of human allograft recipients", pages 89-98, see Abstract.
PR	Infection and Immunity, Volume 61, Number 10, issued October 1993, Lopez-Guerro et al., "Modulation of adjuvant arthritis in Lewis rats by recombinant vaccinia virus expressing the human 60-kilodalton heat shock protein", pages 4225-4231, see entire document.
QR	Dev. Comp. Immunol. Volume 17, Number 6, issued November-December 1993, Lewis et al. "Cloning and sequence analysis of kappa and gamma cynomolgus monkey immunoglobulin cDNAs", pages 549-560.
RR	Biotechnology, Volume 10, Number 11, issued November 1992, Newman et al., "Primatization" of recombinant antibodies for immunotherapy of human diseases: a macaque/human chimeric antibody against CD4", pages 1455-1460.
SR	Jones, P.T. et al., Nature 321:522 (1986)
TR	Camerini, D. and B. Seed, Cell 60:747 (1990)
UR	McClure, M.O. et al., Nature 330:487 (1987)

Examiner

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Date: February 27, 2007 Page 2 of 3		Examiner: C. Yaen Group Art Unit: 1643
VR	Truneh et al., "Humoral Response of Cynomolgus Macaques to Human Soluble CD4: Antibody Reactivity Restricted to Xeno-Human Determinants" Cellular Immunology 131:1 (November 1990) pp. 98-108	
WR	Nishimura, Y et al., Cancer Research 47:999 (1987)	
XR	Ward, E.S. et al., Nature 341:544 (1989)	
YR	Camerini, d. and B. Seed, Abstract No. T.C.P. 125, V International Conference on AIDS, p. 587 (1989)	
ZR	Persson et al., Proc. Natl. Acad. Sci. USA 88:2432 (1991)	
AAR	Meek et al., J. Immun 146:2434 (1991)	
BBR	Allison et al, J. Immunological Methods 95:157 (1986)	
CCR	Ehrlich et al., Hybridoma, 7:4, pp. 385-395 (1988)	
DDR	Ehrlich et al., Clin. Chem. 34:1681 (1988)	
EER	Van Meel et al., J. Immunological Methods 80:267 (1985)	
FFR	BS Heteromycloma line, abstract	
GGR	Ehrlich et al., Hum Antibod. Hybridomas 1:1 (1990)	
HHR	Ehrlich et al., Hybridoma 6:2 pp.151-160 (1987)	
IIR	Herpes Transformation, abstract	
JJR	Amoroso et al., J. Immun. 145:3155 (1990)	
KKR	Huse et al., Science 246:1275 (1989)	
LLR	Letvin et al., "Effect of Recombinant Soluble CD4 in Rhesus Monkeys Infected with Simian Immunodeficiency Virus of Macaques", Abstract from the V International Conference on AIDS (1989) p. 535	
MMR	Rosenberg, M. et al., "Soluble Recombinant CD4 – A Potential Therapeutic Agent for HIV Infector", Biotherapy 2:107 (1990)	
NNR	Riechmann, L. et al., "Reshaping Human Antibodies for Therapy", Nature 332:323-327 (1988)	
OOR	Houghton, A.N. et al., "Monoclonal Antibodies Potential Applications to the Treatment of Cancer", Seminars in Oncology 13:165 (1986)	
PPR	Watanabe, M. et al., Proceedings of the National Academy of Sciences 88:4616-4620 (1991).	
QQR	Van Meurz et al., Journal of Immunological Methods (1986) p. 123.	
RRR	Morrison, Science 229:1202 (1985)	
SSR	Immunology Today 10:253 (1989)	
TTR	Queen et al., PNAS 8610029 (1989)	
UUR	Waldmann, Science 252:1657 (1991)	
VVR	Hied et al., Genes and Cancer (1990) p. 183	
WWR	Markova et al., "Monkey B lymphocyte subpopulations transformed by baboon herpes virus in vivo and in tissue cultures", VOPR VIRUSOL 30:5 (October, 1985) pp. 549-553.	
Examiner		Date Considered:
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	XXR	Harris et al., TB Tech, Vol. 11, p. 42 (1993)
	YYR	Van Meurs et al., "Production of Primate Monoclonal Antibodies", Journal of Immunological Methods" Vol. 95 (1986) pp. 123-128
	ZZR	Schroeder et al. "Early Restriction of the Human Antibody Repertoire" Science, Vol. 238 (November 6, 1987) pp. 791-793.
	AAAR	Combriato et al. "V Lambda and J Lambda-C Lambda Gene Segments of the Human Immunoglobulin Lambda Light Chain Locus are Separated by 14 KB and Rearrange by a Deletion Mechanism", European Journal of Immunology, Vol. 21 (June 1991) pp. 1513-1522.
	BBBR	Hughes-Jones et al. "Nucleotide Sequences and Three-Dimensional Modeling of the VH and VL Domains of Two Human Monoclonal Antibodies Specific for the D Antigen of the Human RH-Blood Group System", The Biochemical Journal 268:1 (May 15, 1990) pp. 135-140.
	CCCR	Stephens et al., "Antibodies are Produced to the Variable Regions of the External Envelope Glycoprotein of Human Immunodeficiency Virus Type 1 in Chimpanzees Infected with the Virus and Baboons Immunized with a Candidate Recombinant Vaccine", The Journal of General Virology, 73:5 (May 1992) pp. 1099-1106.
*	DDDR	L.J. Cooper, "H Chain C domains influence the strength of binding of IgG for streptococcal group A carbohydrate," J. Immunol., (Abstract), Vol. 146 (No. 8), p. 2659-63, (15 April 1991).
*	EEER	J.J. Goronzy, "T and B cell-dependent pathways in rheumatoid arthritis," Curr Opin Rheumatol., (Abstract), Vol. 7 (No. 3), p. 214-221, (May 1995).
*	FFFR	R.O. Williams, "Synergy between anti-CD4 and anti-tumor necrosis factor in the amelioration of established collagen-induced arthritis," Proc. Natl. Acad., Immunology, p. 2762-2766, (March 1994).
*	GGGR	Ellison et al., "Genbank locus P01861," Ig gamma-4chain...(Abstract),
*	HHHR	Yocum et al., "Immunomodulatory Effect of Primatized IDE-CE9, an Anti-CD4 Monoclonal Antibody, in RA," (Abstract), (October 1994).
*	IIIR	Solinger et al., "Immunological markers of response in multi-dose protocol 7002 using an immunomodulating, non-depleting primatized anti-CD4 monoclonal antibody in rheumatoid arthritis (RA)," (Abstract), (June 1996).
*	JJJR	Kaine et al., "Results of a multi-dose protocol 7002 using an immunomodulating, non-depleting primatized anti-CD4 monoclonal antibody in rheumatoid arthritis (RA)," (Abstract), (October 1995).
*	KKKR	Duncan et al., "Localization of the binding site for the human high-affinity Fc receptor on IgG," (Abstract), (April 1988).
*	LLLR	Angal et al.,
*	MMMR	Anderson et al., "A primatized MAb to human CD4 causes receptor modulation, without marked reduction in CD4+T cells in chimpanzees: in vitro and in vivo characterization of a MAb (IDEC-CE9.1) to human CD4," Clin. Immunol. and Immunopath., Academic Press, Vol. 84 (No. 1), p. 73-84, (July 197).
*	NNNR	Looney et al., "Expression and characterization of cM-T413, a chimeric anti-CD4 antibody with in vitro immunosuppressive activity (Abstract)," Chem. Abstr. & Indexes, American Chemical Society (Columbus US), (24 October 1994).
*	OOOR	Supplementary European Search Report, Appl. No. EP 96929936, 10/17/2002

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